



# TECHNICAL DATA SHEET

## SK2ST399-2

### Sealant tape for high temperature processes

#### ► DESCRIPTION

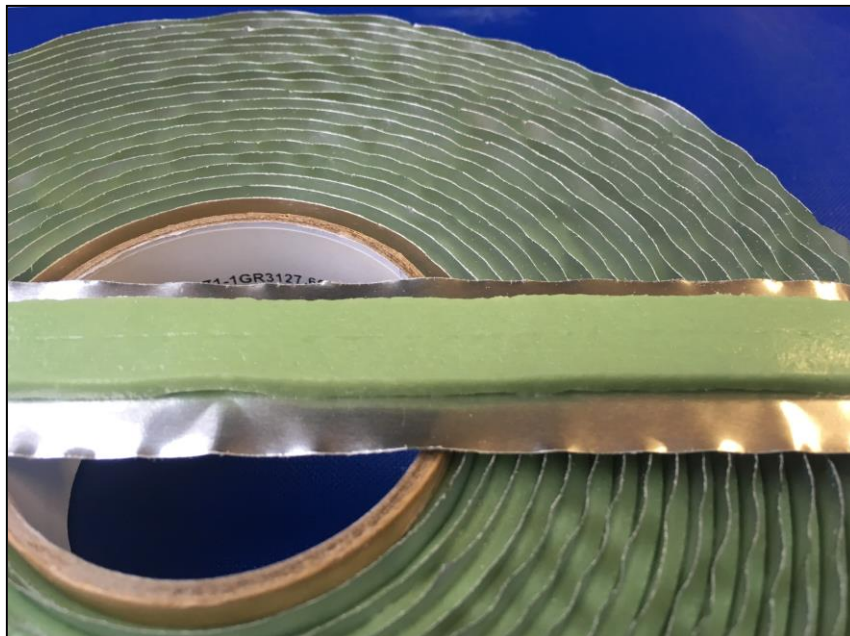
The SK2ST399-2 is a high-performance, silicone-based sealant tape specially designed for high-temperature composite manufacturing processes. Its key features include excellent tack and a strong bond to vacuum films like SK2VF400-1 after curing.

This tape excels in extreme heat conditions, making it ideal for use in autoclave applications, especially for producing composite materials and bulletproof glass. It bonds effectively with polyimide films, creating a reliable vacuum seal. Additionally, it offers clean, residue-free removal from tool surfaces.

The SK2ST399-2 operates across a broad temperature range, from 177°C to 399°C, ensuring outstanding performance in various high-temperature applications.

#### ► ADVANTAGES

- Easy to apply at any surfaces
- Strong modulus during heating to resist flow and provide tight seal
- Strips clean from various tools surfaces both warm and cold
- Excellent resistance to common resins used in the manufacturing of composites
- Thermally stable, resist reversion at elevated temperatures





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### ► TECHNICAL DATA

Material:	Silicone based	Test method:
Color:	Green	
Percent solid:	100%	
Density:	1,20 g/cm <sup>3</sup>	
Coefficient of thermal expansion:	340 x 10 <sup>-6</sup> /C	
Softness at RT:	120-140 (0,1 mm)	ASTM D217
Shore A Hardness after cure 177°C:	45	
Application temperature range:	7°C-37.8°C	
Max. used T*:	399°C	

### ► APPLICATION

Apply by hand to a clean dry surface with release film on top. When the sealant is in position remove the release film and while laying the film on top. Apply pressure by hand on the top of the film and sealant to obtain intimate contact with the surface and to ensure positive seal. The film may be stripped off the tool warm or cold after the cure cycle without leaving a residue. It is recommended to strip below 65°C to minimize or reduce the parts from becoming warped.

### ► SIZE

Thickness	Width	Length
3mm	12mm	7,62m

Shelf life: 12 months minimum in the original packing.

Storage conditions: store below +27°C.

Do not store cartons on end, keep flat.

### ► NOTE

\* The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, we recommend testing prior to use.

Minimum order quantity is one box.

Packing: 40 rolls per box, weight 14,3 kg.